



SHCP
SECRETARÍA DE
HACIENDA Y
CRÉDITO PÚBLICO



SAT
SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

Documentación del Servicio de Consulta de CFDI

Versión 1.2

Fecha: Octubre 2018



Tabla de Contenido

| | | |
|----------|--|-----------|
| 1 | Descripción | 3 |
| 2 | Contrato..... | 4 |
| 3 | Mensajes de Respuesta | 10 |
| | Mensajes de Rechazo..... | 10 |
| | Mensajes de Aceptación..... | 11 |
| 4 | Ejemplo de Implementación | 11 |
| 5 | Capacidad de respuesta..... | 15 |



SHCP
SECRETARÍA DE
HACIENDA Y
CRÉDITO PÚBLICO



SAT
SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

1. Descripción

El Servicio de consulta de CFDI´s se diseñó para permitir la validación accediendo a un servicio publicado en la página del SAT, el servicio pretende proveer una alternativa de consulta que requiera verificar el estado de un comprobante en las Bases de Datos del SAT.



2. Contrato

URL: <https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc>

WSDL **ConsultaCFDIService.svc?wsdl**

| | |
|-----------------|---|
| WSDL location: | https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?wsdl |
| targetnamespace | http://tempuri.org |

| services | bindings | porttypes | messages | types |
|-------------------------------------|---------------------------------------|--------------------------------------|---|----------------------------------|
| ConsultaCFDIService | BasicHttpBinding_Icon | IConsultaCFDIService | IConsultaCFDIService_Consulta_InputMessage | expresionimpresa |
| | ConsultaCFDIService | IConsultaCFDIService | IConsultaCFDIService_Consulta_OutputMessage | Acuse |
| | | | | anyType |
| | | | | anyURI |
| | | | | base64Binary |
| | | | | boolean |
| | | | | byte |
| | | | | char |
| | | | | char |
| | | | | Consulta |
| | | | | ConsultaResponse |
| | | | | dateTime |
| | | | | decimal |
| | | | | double |
| | | | | duration |
| | | | | duration |
| | | | | float |
| | | | | guid |
| | | | | guid |
| | | | | int |
| | | | | long |
| | | | | QName |
| | | | | short |
| | | | | string |
| | | | | unsignedByte |
| | | | | unsignedInt |
| | | | | unsignedLong |
| | | | | unsignedShort |



service ConsultaCFDIService

| | |
|---------|--|
| diagram | |
| ports | <p>BasicHttpBinding_IConsultaCFDIService</p> <p>binding tns:BasicHttpBinding_IConsultaCFDIService</p> <p>extensibility <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/></p> |
| source | <pre><wsdl:service name="ConsultaCFDIService"> <wsdl:port name="BasicHttpBinding_IConsultaCFDIService" binding="tns:BasicHttpBinding_IConsultaCFDIService"> <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/> </wsdl:port> </wsdl:service></pre> |

binding BasicHttpBinding_IConsultaCFDIService

| | |
|---------------|---|
| diagram | |
| type | tns:IConsultaCFDIService |
| extensibility | <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/> |
| operations | <p>Consulta</p> <p>extensibility <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document"/></p> <p>input <soap:body use="literal"/></p> <p>output <soap:body use="literal"/></p> |
| used by | Port BasicHttpBinding_IConsultaCFDIService in Service ConsultaCFDIService |



| | |
|--------|---|
| source | <pre> <wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService"> <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/> <wsp:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy"/> <wsdl:operation name="Consulta"> <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document"/> <wsdl:input> <soap:body use="literal"/> </wsdl:input> <wsdl:output> <soap:body use="literal"/> </wsdl:output> </wsdl:operation> </wsdl:binding> </pre> |
|--------|---|

porttype IConsultaCFDIService

| | |
|------------|--|
| diagram | |
| operations | <p>Consulta</p> <p>input tns:IConsultaCFDIService_Consulta_InputMessage</p> <p>output tns:IConsultaCFDIService_Consulta_OutputMessage</p> |
| used by | binding BasicHttpBinding_IConsultaCFDIService |
| source | <pre> <wsdl:portType name="IConsultaCFDIService"> <wsdl:operation name="Consulta"> <wsdl:input message="tns:IConsultaCFDIService_Consulta_InputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"/> <wsdl:output message="tns:IConsultaCFDIService_Consulta_OutputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"/> </wsdl:operation> </wsdl:portType> </pre> |

message IConsultaCFDIService_Consulta_InputMessage

| | |
|---------|---|
| parts | <p>parameters</p> <p>element tns:Consulta</p> |
| used by | Operation Consulta in PortType IConsultaCFDIService |



| | |
|--------|---|
| source | <pre><wsdl:message name="IConsultaCFDIService_Consulta_InputMessage"> <wsdl:part name="parameters" element="tns:Consulta"/> </wsdl:message></pre> |
|--------|---|

message IConsultaCFDIService_Consulta_OutputMessage

| | |
|---------|--|
| parts | <p>parameters element tns:ConsultaResponse</p> |
| used by | Operation Consulta in PortType IConsultaCFDIService |
| source | <pre><wsdl:message name="IConsultaCFDIService_Consulta_OutputMessage"> <wsdl:part name="parameters" element="tns:ConsultaResponse"/> </wsdl:message></pre> |

element Consulta

| | |
|------------|---|
| diagram | |
| namespace | http://tempuri.org/ |
| properties | content complex |
| children | tns:expresionImpresa |
| source | <pre><xsd:element name="Consulta"> <xsd:complexType> <xsd:sequence> <xsd:element name="expresionImpresa" type="xs:string" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre> |

element ConsultaResponse

| | |
|------------|---------------------------|
| diagram | |
| namespace | http://tempuri.org/ |
| properties | content complex |
| children | tns:ConsultaResult |



| | |
|--------|--|
| source | <pre><xsd:element name="ConsultaResponse"> <xsd:complexType> <xsd:sequence> <xsd:element name="ConsultaResult" type="q1:Acuse" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre> |
|--------|--|

CODIGO

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="ConsultaCFDIService" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex"
xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
xmlns:msc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-wssecurity-utility-1.0.xsd" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://tempuri.org/"
xmlns:wsa10="http://www.w3.org/2005/08/addressing" xmlns:wswaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
  <wsp:Policy wsu:Id="BasicHttpBinding_IConsultaCFDIService_policy">
    <wsp:ExactlyOne>
      <wsp>All>
        <sp:TransportBinding
xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
          <wsp:Policy>
            <sp:TransportToken>
              <wsp:Policy>
                <sp:HttpsToken
RequireClientCertificate="false"/>
              </wsp:Policy>
            </sp:TransportToken>
            <sp:AlgorithmSuite>
              <wsp:Policy>
                <sp:Basic256/>
              </wsp:Policy>
            </sp:AlgorithmSuite>
            <sp:Layout>
              <wsp:Policy>
                <sp:Strict/>
              </wsp:Policy>
            </sp:Layout>
          </wsp:Policy>
        </sp:TransportBinding>
      </wsp>All>
    </wsp:ExactlyOne>
  </wsp:Policy>
</wsdl:types>
<xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import
namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"/>
  <xs:element name="Consulta">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="expresionImpresa"
nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```




```

<xs:element name="ConsultaResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="ConsultaResult"
nillable="true" type="q1:Acuse"
xmlns:q1="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>
<xs:schema attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/"
  <xs:element name="anyType" nillable="true" type="xs:anyType"/>
  <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
  <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
  <xs:element name="boolean" nillable="true" type="xs:boolean"/>
  <xs:element name="byte" nillable="true" type="xs:byte"/>
  <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
  <xs:element name="decimal" nillable="true" type="xs:decimal"/>
  <xs:element name="double" nillable="true" type="xs:double"/>
  <xs:element name="float" nillable="true" type="xs:float"/>
  <xs:element name="int" nillable="true" type="xs:int"/>
  <xs:element name="long" nillable="true" type="xs:long"/>
  <xs:element name="QName" nillable="true" type="xs:QName"/>
  <xs:element name="short" nillable="true" type="xs:short"/>
  <xs:element name="string" nillable="true" type="xs:string"/>
  <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
  <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
  <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
  <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
  <xs:element name="char" nillable="true" type="tns:char"/>
  <xs:simpleType name="char">
    <xs:restriction base="xs:int"/>
  </xs:simpleType>
  <xs:element name="duration" nillable="true" type="tns:duration"/>
  <xs:simpleType name="duration">
    <xs:restriction base="xs:duration">
      <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\d*)?S)?)?"/>
      <xs:minInclusive value="-P10675199DT2H48M5.4775808S"/>
      <xs:maxInclusive value="P10675199DT2H48M5.4775807S"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="guid" nillable="true" type="tns:guid"/>
  <xs:simpleType name="guid">
    <xs:restriction base="xs:string">
      <xs:pattern value="\{da-fA-F\}{8}-\{da-fA-F\}{4}-\{da-fA-F\}{4}-\{da-fA-F\}{4}-\{da-fA-F\}{12}" />
    </xs:restriction>
  </xs:simpleType>
  <xs:attribute name="FactoryType" type="xs:QName"/>
  <xs:attribute name="Id" type="xs:ID"/>
  <xs:attribute name="Ref" type="xs:IDREF"/>
</xs:schema>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio">
  <xs:complexType name="Acuse">
    <xs:sequence>
      <xs:element minOccurs="0" name="CodigoEstatus" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="EsCancelable" nillable="true"
type="xs:string"/>
      <xs:element minOccurs="0" name="Estado" nillable="true"
type="xs:string"/>
    </xs:sequence>
  </xs:complexType>

```



```

type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="Acuse" nillable="true" type="tns:Acuse"/>
</xs:schema>
</wsdl:types>
<wsdl:message name="IConsultaCFDIService_Consulta_InputMessage">
    <wsdl:part name="parameters" element="tns:Consulta"/>
</wsdl:message>
<wsdl:message name="IConsultaCFDIService_Consulta_OutputMessage">
    <wsdl:part name="parameters" element="tns:ConsultaResponse"/>
</wsdl:message>
<wsdl:portType name="IConsultaCFDIService">
    <wsdl:operation name="Consulta">
        <wsdl:input wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"
message="tns:IConsultaCFDIService_Consulta_InputMessage"/>
        <wsdl:output wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"
message="tns:IConsultaCFDIService_Consulta_OutputMessage"/>
    </wsdl:operation>
</wsdl:portType>
<wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService">
    <wsp:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy"/>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="Consulta">
        <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta"
style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConsultaCFDIService">
    <wsdl:port name="BasicHttpBinding_IConsultaCFDIService"
binding="tns:BasicHttpBinding_IConsultaCFDIService">
        <soap:address
location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/>
    </wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

3. Mensajes de Respuesta

Los mensajes de respuesta que arroja el servicio de consulta de CFDI´s incluyen la descripción del resultado de la operación que corresponden a la siguiente clasificación:

Mensajes de Rechazo.

N 601: La expresión impresa proporcionada no es válida.

Este código de respuesta se presentará cuando la petición de validación no se haya respetado en el formato definido.

N 602: Comprobante no encontrado.

Este código de respuesta se presentará cuando el UUID del comprobante no se encuentre en la Base de Datos del SAT.



Mensajes de Aceptación.

S Comprobante obtenido satisfactoriamente.

4. Ejemplo de Implementación

```
namespace Sat.Cfdi.Negocio.ConsultaCfdi.Servicio
{
    using System.Runtime.Serialization;
    using System;

    [System.Diagnostics.DebuggerStepThroughAttribute()]
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.Runtime.Serialization",
    "4.0.0.0")]
    [System.Runtime.Serialization.DataContractAttribute(Name="Acuse",
    Namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio")]
    [System.SerializableAttribute()]
    public partial class Acuse : object, System.Runtime.Serialization.IExtensibleDataObject,
    System.ComponentModel.INotifyPropertyChanged {

        [System.NonSerializedAttribute()]
        private System.Runtime.Serialization.ExtensionDataObject extensionDataField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string CodigoEstatusField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EsCancelableField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EstadoField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EstatusCancelacionField;

        [global::System.ComponentModel.BrowsableAttribute(false)]
        public System.Runtime.Serialization.ExtensionDataObject ExtensionData {
            get {
                return this.extensionDataField;
            }
            set {
                this.extensionDataField = value;
            }
        }

        [System.Runtime.Serialization.DataMemberAttribute()]
        public string CodigoEstatus {
            get {
                return this.CodigoEstatusField;
            }
        }
    }
}
```



```
set {
    if ((object.ReferenceEquals(this.CodigoEstatusField, value) != true)) {
        this.CodigoEstatusField = value;
        this.RaisePropertyChanged("CodigoEstatus");
    }
}

[System.Runtime.Serialization.DataMemberAttribute()]
public string EsCancelable {
    get {
        return this.EsCancelableField;
    }
    set {
        if ((object.ReferenceEquals(this.EsCancelableField, value) != true)) {
            this.EsCancelableField = value;
            this.RaisePropertyChanged("EsCancelable");
        }
    }
}

[System.Runtime.Serialization.DataMemberAttribute()]
public string Estado {
    get {
        return this.EstadoField;
    }
    set {
        if ((object.ReferenceEquals(this.EstadoField, value) != true)) {
            this.EstadoField = value;
            this.RaisePropertyChanged("Estado");
        }
    }
}

[System.Runtime.Serialization.DataMemberAttribute()]
public string EstatusCancelacion {
    get {
        return this.EstatusCancelacionField;
    }
    set {
        if ((object.ReferenceEquals(this.EstatusCancelacionField, value) != true)) {
            this.EstatusCancelacionField = value;
            this.RaisePropertyChanged("EstatusCancelacion");
        }
    }
}

public event System.ComponentModel.PropertyChangedEventHandler PropertyChanged;

protected void RaisePropertyChanged(string propertyName) {
    System.ComponentModel.PropertyChangedEventHandler propertyChanged =
this.PropertyChanged;
    if ((propertyChanged != null)) {
        propertyChanged(this, new
System.ComponentModel.PropertyChangedEventArgs(propertyName));
    }
}
```



SHCP
SECRETARÍA DE
HACIENDA Y
CRÉDITO PÚBLICO



```
}  
[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
```

```
[System.ServiceModel.ServiceContractAttribute(ConfigurationName="ConsultaCFDIService.IConsultaCFDIService")]
```

```
public interface IConsultaCFDIService {
```

```
[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta", ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]  
QRConsola.ConsultaCFDIService.Acuse Consulta(string expresionImpresa);
```

```
[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta", ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]  
System.Threading.Tasks.Task<QRConsola.ConsultaCFDIService.Acuse> ConsultaAsync(string expresionImpresa);  
}
```

```
[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]  
public interface IConsultaCFDIServiceChannel :  
QRConsola.ConsultaCFDIService.IConsultaCFDIService, System.ServiceModel.IClientChannel {  
}
```

```
[System.Diagnostics.DebuggerStepThroughAttribute()]  
[System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]  
public partial class ConsultaCFDIServiceClient :  
System.ServiceModel.ClientBase<QRConsola.ConsultaCFDIService.IConsultaCFDIService>,  
QRConsola.ConsultaCFDIService.IConsultaCFDIService {
```

```
public ConsultaCFDIServiceClient() {  
}
```

```
public ConsultaCFDIServiceClient(string endpointConfigurationName) :  
base(endpointConfigurationName) {  
}
```

```
public ConsultaCFDIServiceClient(string endpointConfigurationName, string  
remoteAddress) :  
base(endpointConfigurationName, remoteAddress) {  
}
```

```
public ConsultaCFDIServiceClient(string endpointConfigurationName,  
System.ServiceModel.EndpointAddress remoteAddress) :  
base(endpointConfigurationName, remoteAddress) {  
}
```

```
public ConsultaCFDIServiceClient(System.ServiceModel.Channels.Binding binding,  
System.ServiceModel.EndpointAddress remoteAddress) :  
base(binding, remoteAddress) {  
}
```

```
public QRConsola.ConsultaCFDIService.Acuse Consulta(string expresionImpresa) {  
return base.Channel.Consulta(expresionImpresa);  
}
```



SHCP
SECRETARÍA DE
HACIENDA Y
CRÉDITO PÚBLICO



SAT
SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

```
public System.Threading.Tasks.Task<QRConsola.ConsultaCFDIService.Acuse>  
ConsultaAsync(string expresionImpresa) {  
    return base.Channel.ConsultaAsync(expresionImpresa);  
}  
}  
}
```



SHCP
SECRETARÍA DE
HACIENDA Y
CRÉDITO PÚBLICO



SAT
SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

5. Capacidad de respuesta

El servicio de Consulta de CFDI´s tiene la capacidad de atender hasta 2 millones de consultas por hr., debido a que estas consultas acceden las Bases de Datos transaccionales del SAT se solicita no aumentar la cantidad de consultas por hora para evitar impactos en la respuesta del servicio.